

IN THE CLAIMS:

The following is a complete listing of claims in this application.

Claims 1-29 (canceled).

30. (new) A tribological fiber composite component comprising a structure having at least one preform comprising:

a base layer based on at least one of carbon, aramide fibers, ceramic fibers and a fleece, and

stressable reinforcing fibers deposited on the base layer and connected with the base layer by stitching using TFP, to form the preform,

wherein the preform is stabilized by at least one of deposition of material from the gas phase, and providing at least one of a monomer and a polymer, and subsequently hardening and pyrolyzing.

31. (new) The fiber composite component according to claim 30, wherein the structure is stabilized, by CVI deposition with at least one of C, SiC, B₄C and Si.

32. (new) The fiber composite component according to claim 30, wherein the structure is siliconized after pyrolyzing.

33. (new) The fiber composite component according to claim 30, wherein the at least one preform includes areas or layers which differ from one another in at least one of fiber volume, layer density, fiber lengths and their fiber placement direction.

34. (new) The fiber composite component according to claim 30, wherein the structure has at least two preforms which are constructed the same or substantially the same.

35. (new) The fiber composite component according to claim 30, wherein the structure has recesses and/or channels, which are optionally provided with cores.

36. (new) The fiber composite component according to

claim 30, includes a composite of at least one preform and at least one of a layer, a fabric, short fibers, a felt and a fleece.

37. (new) The fiber composite component according to claim 30, wherein the preform is provided with a layer of short fibers on the outside.

38. (new) The fiber composite component according to claim 30, wherein the preform has rovings with different thread counts.

39. (new) The fiber composite component according to claim 30, wherein the preform has reinforcing fibers in the form of roving strands or fiber bands.

40. (new) The fiber composite component according to claim 30, wherein the preform has reinforcing fibers in the form of at least one of natural, glass, aramide, carbon and ceramic fibers.

41. (new) The fiber composite component according to claim 30, wherein the preform comprises a plurality of layers of placed reinforcing fibers, the direction of placement of the reinforcing fibers differing from one another in successive layers.

42. (new) The fiber composite component according to claim 41, wherein the reinforcing fibers extend radially in a layer.

43. (new) The fiber composite component according to claim 41, wherein the reinforcing fibers extend in a circular manner in a layer.

44. (new) The fiber composite component according to claim 41, wherein the reinforcing fibers extend involutely in a layer.

45. (new) The fiber composite component according to claim 41, wherein the reinforcing fibers extend in a layer extending from its central opening tangentially thereof.

46. (new) The fiber composite component according to claim 30, wherein the reinforcing fibers are placed in such a way that, in a circular preform, the pyrolyzed preform corresponds, or substantially corresponds, in its radial measurement to that of the preform.

47. (new) The fiber composite component according to claim 30, wherein the reinforcing fibers are stitched together with at least one of polymer fibers and carbon fibers.

48. (new) The fiber composite component according to claim 30, wherein the structure is a clutch disk comprising at least two preforms having the same, or substantially the same, structure.

49. (new) The fiber composite component according to claim 30, wherein the preform comprises several layers) placed symmetrically or substantially symmetrically with respect to a central symmetrical plane of the preform in fiber orientation.

50. (new) The fiber composite component according to claim 30, wherein the preform includes at least two layers or plies, one of the layers or plies being formed from radially placed reinforcing fibers and another layer or ply being formed from reinforcing fibers placed in a circular manner.

51. (new) The fiber composite component according to claim 30, wherein superimposed layers or plies of the preform are each stitched to the base layer.

52. (new) The fiber composite component according to claim 30, wherein the preform has fibers of the same or substantially the same orientation in its outer surfaces or layers.

53. (new) The fiber composite component according to claim 30, wherein the structure is a brake disk including at least two preforms spaced from one another, which are connected to one another by webs formed from reinforcing fibers.

54. (new) The fiber composite component according to claim 30, wherein the preform has a thickening formed by reinforcing fibers in the area of a force input point.

55. (new) The fiber composite component according to claim 54, wherein the reinforcing fibers are placed so as to cross one another in the thickening.

56. (new) The fiber composite component according to at claim 53, wherein the reinforcing fibers are placed so as to cross one another in the webs.

57. (new) The fiber composite component according to claim 30, wherein the TFP preform has a fleece layer on its free outer surface.

58. (new) Method for producing a tribological fiber composite component comprising the steps of:

producing at least one stressable preform by depositing reinforcing fibers on a base layer based on at least one of carbon, aramide fibers, ceramic fibers and a fleece,

stitching the reinforcing fibers on the base layer by TFP,

forming a structure, corresponding to the fiber composite component, comprising at least one said preform, and

stabilizing the structure by at least one of the steps of depositing material from the gas phase, and impregnating the structure with at least one of a monomer and a polymer, and subsequently hardening and pyrolyzing.